Ontario

Ministry of Natural Resources

Hon. Alan W. Pope
Minister

John R. Sloan
Deputy Minister

ONTARIO GEOLOGICAL SURVEY

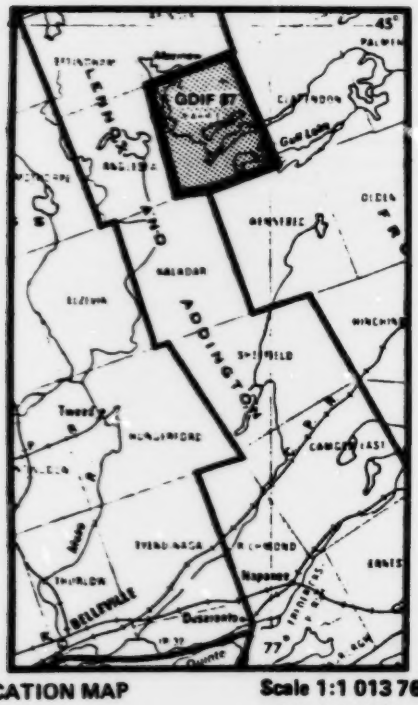
GEOLOGICAL DATA INVENTORY FOLIO

GDIF 87

BARRIE TOWNSHIP

FRONTENAC COUNTY

Compiled by the Staff of
the Resident Geologist's Office,
Tweed



LOCATION MAP

Scale 1:1 013 760 or
1 inch to 16 miles

NTS Number 31C/14, 31C/15

Mining Claim Map Number M50

This project was funded by the Mining Sector Work Program
under the sponsorship of Barrie Township

STATEMENT: This inventory is unedited. Discrepancies may occur for which the Ontario Geological Survey does not assume liability. Information from this source may be quoted if credit is given. Reference to this inventory should be made as follows:

Ontario Geological Survey
1984: Barrie Township, Ontario Geological Survey Data Inventory 87, compiled by the staff of the Resident Geologists office, Tweed, 26p. and 2 maps.

Original Compilation by: David Marek, November 30, 1982

Date	Page Revised	Revised by
Jan/83		J.E.
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ACCOMPANYING MAPS

Property Location Map - 1 map

Exploration Data Map - 1 map

Map Scale 1: 31 680 or 1 inch to ½ mile

CONVERSION FACTORS FOR MEASUREMENTS IN ONTARIO GEOLOGICAL SURVEY PUBLICATIONS

If the reader wishes to convert imperial units to SI (metric) units or SI units to imperial units the following multipliers should be used

CONVERSION FROM SI TO IMPERIAL			CONVERSION FROM IMPERIAL TO SI		
SI Unit	*Multiplied by*	*Gives*	*Imperial Unit*	*Multiplied by*	*Gives*
			LENGTH		
1 mm	0.039 37	inches	1 inch	**25.4**	mm
1 cm	0.393 70	inches	1 inch	**2.54**	cm
1 m	3.280 84	feet	1 foot	**0.304 8**	m
1 m	0.049 709 7	chains	1 chain	20.116 8	m
1 km	0.621 371	miles (statute)	1 mile (statute)	**1.609 344**	km
			AREA		
1 cm^2	0.155 0	square inches	1 square inch	**6.451 6**	cm^2
1 m^2	10.763 9	square feet	1 square foot	**0.092 903 04**	m^2
1 km^2	0.386 10	square miles	1 square mile	2.589 988	km^2
1 ha	2.471 054	acres	1 acre	0.404 685 6	ha
			VOLUME		
1 cm^3	0.061 02	cubic inches	1 cubic inch	**16.387 064**	cm^3
1 m^3	35.314 7	cubic feet	1 cubic foot	0.028 316 85	m^3
1 m^3	1.308 0	cubic yards	1 cubic yard	0.764 555	m^3
			CAPACITY		
1 L	1.759 755	pints	1 pint	0.568 261	L
1 L	0.879 877	quarts	1 quart	1.136 522	L
1 L	0.219 969	gallons	1 gallon	**4.546 090**	L
			MASS		
1 g	0.035 273 96	ounces (avdp)	1 ounce (avdp)	28.349 523	g
1 g	0.032 150 75	ounces (troy)	1 ounce (troy)	**31.103 476 8**	g
1 kg	2.204 62	pounds (avdp)	1 pound (avdp)	**0.453 592 37**	kg
1 kg	0.001 102 3	tons (short)	1 ton (short)	**907.184 74**	kg
1 t	1.102 311	tons (short)	1 ton (short)	**0.907 184 74**	t
1 kg	0.000 984 21	tons (long)	1 ton (long)	**1016.046 908 8**	kg
1 t	0.984 206 5	tons (long)	1 ton (long)	**1.016 046 908 8**	t
			CONCENTRATION		
1 g t	0.029 166 6	ounce (troy) ton (short)	1 ounce (troy) ton (short)	34.285 714 2	g t
1 g t	0.583 333 33	pennyweights ton (short)	1 pennyweight ton (short)	1.714 285 7	g t

OTHER USEFUL CONVERSION FACTORS

1 ounce (troy) ton (short)	20.0	pennyweights ton (short)
1 pennyweight ton (short)	0.05	ounce (troy) ton (short)

One gram(g) per tonne is equivalent to one part per million (1 ppm).

NOTE–Conversion factors which are in bold type are exact. The conversion factors have been taken from or have been derived from factors given in the Metric Practice Guide for the Canadian Mining and Metallurgical Industries published by The Mining Association of Canada in co-operation with the Coal Association of Canada.

DATA SOURCES CHECK LIST

NOTE: The following sources have been searched to compile the data for this map. If no reference data was found, the appropriate box is marked 'no'; if reference was found, the box is marked 'yes'.

All reference data found are included in the following pages. If the box is blank, the data source has not yet been searched. If the box is marked N.A., the source item is Not Applicable to this area and therefore not searched.

	SOURCES OF DATA	Data	Initial
1	Resident Geologist's Office Files	Yes	D.M.
2	Assessment Files Research Office, Toronto	Yes	D.M.
3	ODM General Index; 7 volumes	Yes	D.M.
4	Catalogue of Airborne Geophysical Surveys (ODM)	N.A.	D.M.
5	ODM Mineral Resources Circulars and OGS Mineral Deposits Circulars	Yes	D.M.
6	ODM Industrial Mineral Reports	Yes	D.M.
7	Bibliography of Post Precambrian Theses - Karrow (ODM MP 1)	N.A.	D.M.
8	Bibliography of Precambrian Theses - Ginn (ODM MP 2)	N.A.	D.M.
9	Newspaper Clippings File	No	D.M.
10	GSC Index to Publications	Yes	J.A.E.
11	OGS Index to Published Maps and Reports - MP 77 and Supplements to MP 77	Yes	D.M.
12	OGS Index Maps	Yes	D.M.
13	Source Mineral Deposit Records (O.G.S.)	Yes	D.M.
14	Author - Subject Articles File	N.A.	D.M.
15	Miscellaneous Papers: ODM & OGS	No	D.M.
16	ODM Geological Circulars: OGS Study Series	Yes	D.M.
17	ODM Preliminary Reports: ODM Bulletins	Yes	D.M.
18	ODM – OGS Open File Reports	Yes	D.M.
19	OGS Northern Ontario Engineering Geology Terrain Studies	N.A.	D.M.
20	OGS Aggregate Resources Inventory Papers	N.A.	D.M.
21	OGS Mineral Potential Maps	Yes	D.M.
22	Aerial Photographs on File, Tweed	Yes	D.M.

METALS AND MINERALS REFERENCES LIST

- △ anh. . . . . .Anhydrite
- △ ank. . . . . .Ankerite
- △ anna . . . . . Annabergite
- △ ap. . . . . .Apatite
- △ arg . . . . . Argentite
- △ As . . . . . .Arsenic
- ▲ asp . . . . . .Arsenopyrite
- △ asb . . . . . .Asbestos
- ▲ ba. . . . . .Barite
- △ be. . . . . Beryl
- ▲ Bi. . . . . .Bismuth
- ▲ bn . . . . . .Bornite
- △ bran . . . . . .Brannerite
- △ bruc . . . . . .Brucite
- △ Cd . . . . . Cadmium
- △ calc. . . . . Calcite
- △ carb . . . . . .Carbonate
- △ cel . . . . . .Celestite
- △ cc. . . . . .Chalcocite
- ▲ cp. . . . . Chalcopyrite
- △ ch. . . . . .Chert
- △ clay . . . . . .Clay
- △ Co . . . . . Cobalt
- △ cob. . . . . Cobaltite
- △ cb. . . . . .Columbite
- ▲ Cu . . . . . .Copper
- △ cor . . . . . Corundum
- △ dol . . . . . Dolomite
- △ ep. . . . . Epidote
- △ ery . . . . . Erythrite
- △ fel . . . . . .Feldspar
- ▲ fl . . . . . .Fluorite (fluorspar)
- △ fu. . . . . .Fuchsite
- ▲ gn. . . . . Galena
- △ gt. . . . . Garnet
- △ goe. . . . . .Goethite
- ▲ Au . . . . . Gold
- ▲ gf. . . . . .Graphite
- △ gl . . . . . Gravel
- △ gyp. . . . . .Gypsum
- △ hem . . . . . Hematite
- △ il . . . . . .Ilmenite
- △ Fe . . . . . .Iron
- △ IF. . . . . Iron Formation
- △ jas . . . . . Jasper
- △ kaol . . . . . .Kaolinite (kaolin)
- △ ky . . . . . Kyanite
- ▲ Pb . . . . . Lead
- △ lim . . . . . Limonite
- △ Li. . . . . Lithium
- △ mgst . . . . . Magnesite
- ▲ mag . . . . . Magnetite
- ▲ mc . . . . . Malachite
- △ Mn . . . . . Manganese
- ▲ mb . . . . . Marble
- △ mar. . . . . Marcasite
- △ ma . . . . . .Marl
- △ mi . . . . . Mica
- △ ml . . . . . Millerite
- △ mo . . . . . Molybdenite
- △ Mo . . . . . .Molybdenum
- △ mon . . . . . Monazite
- △ ne. . . . . Nephelite (nepheline)
- △ nc. . . . . .Niccolite
- △ Ni. . . . . Nickel
- △ Nb . . . . . .Niobium
- △ Pd . . . . . .Palladium
- △ peat . . . . . .Peat
- △ pent . . . . . .Pentlandite
- △ Pt. . . . . .Platinum
- ▲ py . . . . . .Pyrite
- △ pyl . . . . . Pyrochlore
- △ pyrl . . . . . .Pyrolusite
- ▲ po . . . . . .Pyrrhotite
- △ q . . . . . .Quartz
- △ qcv . . . . .Quartz carbonate vein
- △ ra. . . . . .Radioactive minerals
- △ RE . . . . . .Rare Earths
- △ sd. . . . . Sand
- △ sgl . . . . . Sand and gravel
- △ ss . . . . . .Sandstone
- △ scap . . . . . Scapolite
- ▲ shee . . . . . .Scheelite
- △ serp . . . . . Serpentine
- △ sh. . . . . Shale
- △ sid . . . . . Siderite
- △ si . . . . . Silica
- ▲ Ag . . . . . .Silver
- △ sl . . . . . Slate
- △ sm . . . . . .Smaltite
- △ sod . . . . . Sodalite
- △ spec . . . . . Specularite
- ▲ sp. . . . . .Sphalerite
- △ spd. . . . . .Spodumene
- △ staur . . . . . Staurolite
- △ stib. . . . . Stibnite
- △ st . . . . . .Stone
- △ talc. . . . . .Talc
- △ Te . . . . . .Tellurium
- ▲ td. . . . . Tetrahedrite
- △ th. . . . . .Thorite
- △ Th . . . . . .Thorium
- △ thuc . . . . . Thucholite
- △ ti . . . . . Titanite
- △ Ti. . . . . Titanium
- ▲ tour . . . . . .Tourmaline
- △ trap . . . . . .Trap rock
- △ W. . . . . Tungsten
- △ uran . . . . . Uraninite
- △ U . . . . . .Uranium
- △ verm . . . . . .Vermiculite
- △ Y . . . . . Yttrium
- △ Zn . . . . . .Zinc
- △ zr. . . . . Zircon
- ▲ bm. . . . . .Bismuthinite
- ▲ bl. . . . . .Boulangerite
- ▲ mene. . . . . .Meneghinite
- ▲ jm. . . . . .Jarmesonite
- ▲ Sb. . . . . .Antimony
- ▲ S. . . . . .Sulphides

Solid triangles indicate metal and mineral occurrences shown on the accompanying maps.

BARRIE TOWNSHIP

MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
A	Barrie Syndicate Limited Lot 8, 9, Con. IX	gn, sp, py, cp, bl, Ag		OGS1969,MRC12,P.135	OGS 1980,OFR 5316,Table 4 OGS 1964,GC12,P.10+Map 2053 OGS 1942,AR Vol.51,PT4,p41-42 OGS 1903,AR Vol.12,P.112-113 OGS 1900,Vol. 9, p.209 OGS Map 2278,Clarendon Lake Area, 1"=¼ mi. GSC 1969, Paper 69-50 GSC 1970,Paper 69-45,p.552 GSC 1915,Mem.74,p.211,221 GSC 1892,AR Vol. 2,p.28 DEMR#070556 & #505289 Steele, O. File wt. picture
B	Big Dipper Gold Mine Lot 16, Con. X	Au, sp, py, mag		OGS1979,MDC 18,P.33	OGS 1980,OFR 5316, Table 4 OGS 1964,GC12,P.10+ Map 2053 OGS 1942, AR Vol.PT.4,p.47 OGS 1936, Mem. 192, p.115 OGS Map P2278,1"=¼ mile OGS Map Reference 51D Goodwin 1929, p. 53 OBM Vol.15, 1906,PT.1,p.89-90 OBM Vol.17, 1908,P.83
C	Buckhorn Mines Limited Lot 20-23, Con. X. Lot 23,24, Con. IX (continued)	tour,py,gf			OGS 1942,AR Vol.51,PT4,p40-41

GDF FORM NO. 1

MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
D	Buffadison Lot 25, Con. XII	cp,bn,Cu, sp		OGS 1969,MRC12,p135	OGS 1980,OFR 5316,p.66-68 OGS Toronto Res.Geol.Files OGS Map P2278, Clarendon Lake Area, 1"=¼ mile
E	Cobalt-Frontenac Mining Company Limited Lot 11,12,13, Con. 1	Au,py,po, sp		OGS 1979,MDC18,P.40 OGS 1969,MRC12,p.135	OGS 1980,OFR 5316, Table 4 OGS 1964, GC12,p.10 + Map2053 OGS 1942, AR Vol.51,PT4,p.42 OGS Map P.2278 Clarendon Lake Area, 1"=¼ mile OGS Map 51D
F	Cook, Henry F. Lot 25, Con. VI	sp,Pb,Ag, cp,Au		OGS 1969,MRC12,p.135	OGS 1980,OFR 5316, p.68-70 OGS 1980 Map P2278 Clarendon Lake Area, 1"=¼ mile OGS Toronto Res.Geol.Files
G	Gough Lot 3-5, Con. X	py,asp,sp, Pb,Au, bl		OGS 1979,MDC18,p.40 OGS 1969 MRC12,p.135	OGS 1942,AR Vol.51,PT4,p.41 OGS Map 2053, Madoc Area 1"=2 miles OGS Map 51D
H	Helena Lot 19, 20, Con. VI, VII (continued)	Au,Cu		OGS 1979,MDC18,p.40 OGS 1969,MRC12,p.135	OGS 1980,OFR 5316, Table 4 OGS 1964,GC12,p.10+Map 2053 OGS 1942,AR Vol.51,PT4,p47-48 OBM 1902,Vol.11,p.202,203,236 OBM 1901,Vol.10,p.37,117,118 GSC 1901,Vol.14, P72J OGS Map P2278 Clarendon Lake Area, 1"=¼ mile

MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
I	Cougar Mining Syndicate, Kashawakamak Lot 14, Con. VI	td,py,cp, mc,Au,Pb, sp		OGS 1979,MDC18,p.40 OGS 1969,MRC12,p135	OGS 1980,OFR5316,p.70-71+ Table 4 OGS 1964,GC12,p.10+Map 2053 OGS 1942,AR Vol.51,p74,p.40 OGS Toronto Res. Geol.Files DEMR File OGS Map P2278 Clarendon Lake Area, 1"=¼ mile OGS Map 51D Steele,O. File,Tweed, Ont.
J	Marble Rapids (Barrie) Lot 27, 29, Con. IX, X	mb		OGS 1964,IMR16,p. 56-58	OGS 1942,AR Vol.51,PT4,p.35 DEMR/CANMET 1978#781,p.74-75 GSC 1863,Rept.of Progress,p823 OGS Map P2278 Clarendon Lake Area, 1"=¼ mile
K	Mazinaw Base Metals Ltd. Lot.12, Con. VIII Lot 11, 12, Con. IX	sp,Pb,cp, Ag,Au		OGS 1969,MRC12,p135	OGS 1964,GC12,p.10 + Map 2053 OGS 1942,AR Vol.51,PT.4,p.41 OBM Vol.25,1916,PT2, p.11 OBM Vol. 9, 1900, p.198 GSC Vol.14, 1901,p.44J,67J GSC Vol.6,1892-93,p.49R Econ. Geol. No. 8, 1930 OGS Map P2278 Clarendon Lake Area, 1"=¼ mile Steele, O. File + picture

(continued)

OGS FORM No. 1

MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
L	Mill Lots 34,35,36(N½),Con. II	td,asp,py, cp,Au,mc		OGS 1979MDC18,p.40	OGS 1980,OFR 5316, Table 4 OGS 1964,GC12,p.10+Map 2053 OGS 1942,AR Vol.51,PT4,p39-40 OGS Map P2278 Clarendon Lake Area, 1"=¼ mile OGS Map 51D Steele, O. File wt. picture
M	Mississagagon Lake Lot 23, Con. IX	fl,ba,cp		OGS 1964,IMR12,p.54	OGS 1964,GC12,p.10 +Map 2053 OGS 1942,AR Vol.51,PT4,p34-35
N	Natto Lot 28,30-32,Con. III Lot 32, Con. IV	Au		OGS 1979,MDC18,p40	NMI File 31/C14 Au 1
O	Ore Chimney Mine Lot 34-36, Con. I	Au,Ag,Pb, sp,cp,py, fl		OGS 1979,MDC18,p33 OGS 1969,MRC12,p132 OGS 1968,MRC10,p27	OGS 1980,OFR5316,p.71-75 OGS 1964,GC12,p.10+Map 2053 OGS 1952,PR1952-4,p.14 OGS 1942,AR Vol.51,PT4,p42-44 Can.Mines Handbook 1957,P55 Can.Mines Handbook 1950,p.70 OGS Toronto Res.Geol.File DEMR #508285 OGS Map P.2278 Clarendon Lake Area,1"=¼ mile MTS 1957,Invest.#MD3208 Econ.Geol.1930#8,p.153-4 GSC 1892,AR Vol.6,p.43,44,49 Goodwin 1929,p.52-53 Steele, O.File wt.pictures OGS Map 51D
	(continued)				

GDIF FORM NO. 1

MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
P	Pay Rock Gold Syndicate Lot 8, 10, 16, Con. I	Au, py		OGS 1979,MDC18,p.40	OGS 1980,OFR 5316,Table 4 OGS 1964,GC12,p.10 +Map 2053 OGS 1942,AR Vol.51,PT4,p.42 OGS Map P2278 Clarendon Lake Area, 1"=¼ mile Steele, O. File
Q	Star Gold Mine (Star of the East) Lot 24, Con. X	Au,py,cp, shee, tour,act, bm, Bi		OGS 1979,MDC10,p.33	OGS 1980,OFR 5316,p.75-77 OGS 1964,GC12,p.10 +Map 2053 OGS 1942,AR Vol.51,PT4,p44-47 OBM Vol.17 1908,p.83 OBM Vol.16 1907,PT1,p.74 OBM Vol.15,1906,PT1,p.4,88,89 OBM Vol.14,1905,PT1,p.76,77 ODM Vol.30,1921,PT2,p.12 ODM VolXLVI 1937,PT1,p.17 GSC 1970,Paper69-45,p.93,94 Econ.Geol.1950 No.17,p.178 Goodwin 1929, p.52 OGS Map P2278,Clarendon Lake Area, 1"=¼ mile
R	Sheppard Lot 21-23, Con. VIII (continued)	Au,Ag,Sb			GSC 1970 Paper 69-45, p.532 GSC 1882&84,Rept.of Progress GSC 1915, Mem.75, p.216

MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
S	Con. VIII, Lots 21,22,23	Sb		OGS 1942, AR Vol.51,PT.4	
T	Con. IX, Lots 4,7,8,9	bl		OGS 1942, AR Vol.51,PT.4	
U	Con. VI, Lots 19,20	Cu		OGS 1942, AR Vol.51,PT.4	
	Con. VII, Lot 20				
V	Con. IX, Lots 22,23	fl		OGS 1942, AR Vol.51,PT.4	
W	Con. IX, Lot 23	gf		OGS 1942, AR Vol.51,PT.4	
	1st Range E,Lot 1				
X	Con. I, Lot 16	Fe		OGS 1942, AR Vol.51,PT.4	
	Con. VI, Lot 14				
Y	Con. VIII, Lot 10	jm		OGS 1942, AR Vol.51,PT.4	
	Con. IX, Lot 7			GSC 1892-3,AR VolVI,p.30	
				GSC 1970,Paper 69-45,p.312	
Z	Con. IX, Lots 5 & 9	mene		GSC 1970,Paper 69-45,p.365	
				GSC 1917,Memoir 74,p.155	
				GSC 1888-9,AR.Vol.IV,p.45	
Aa	Con. X, Lot 24	shee		OGS 1942, AR.Vol.51,PT.4	
Ab	Con. IX, Lots 5 to 9	sph		OGS 1942, AR.Vol.51,PT.4	
Ac	Con. IX, Lots 6,7,8,9	tn		OGS 1942, AR.Vol.51,PT.4	
Ad	Con. II, Lot 36	td		OGS 1942, AR.Vol.51,PT.4	

TYPE OF WORK		Numbers below represent the year in which the work was done, e.g., 68 for 1968																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE TWEED COMPANY/AUTHOR (file number)		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY			
1	Bartlett, Stephen J. AFRO file: 2.5033 AFRO file: 2.5776 AFRO file: 63.3973 AFRO file: 2.5031	84		83		80-82 81-82														
2	Bereziuk, Rudy			70																
3	Bey Mines Limited " " " "				39	39	32 37	11N&C 12N&C												
4	Bryans, Gregory W. AFRO file: 24 AFRO file: 25					71,74 74														
5	Canreos Minerals Ltd. AFRO file: 2.3738											80								
6	Cavalier Mining Corp.							57P												
7	Cook, Henry F. AFRO file: 26 AFRO file: 2.1959 AFRO file: 2.2255 AFRO file: 63.3443 AFRO file: 27 (continued)	76	75		74,78 76 76,79	76		75N&C												

GDIF FORM NO. 2

TYPE OF WORK		Numbers below represent the year in which the work was done, e.g., 68 for 1968																			
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE TWEED COMPANY/AUTHOR (file number)		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY			
	(continued) AFRO file: 63.3523 AFRO file: 2.2885 AFRO file: 63.3650 AFRO file: 2.3100 AFRO file: 29 AFRO file: 2.3804 AFRO file: 63.3813			78	78 78 79 80 80	78 78 79 79 80 80															
8	Crawford, Russell J.							80N&C													
9	Cruickshank, R. W. AFRO file: 18				63																
10	Cummings Prosp. Synd.- Buff. Gold Mines (Salmond, K.) AFRO file: 13 AFRO file: 10 AFRO file: 12 AFRO file: 11				 56,57 57 57 57,59																
11	Emex Mining Ltd. AFRO file: 15				65																
12	Farnham, Charles B. AFRO file: 22				68																

GDIF FORM NO. 2

TYPE OF WORK		Numbers below represent the year in which the work was done, e.g., 68 for 1968																			
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE TWEED COMPANY/AUTHOR (file number)		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY			
13	Hardie, Arnold A. AFRO file: 21				66			80N&C												
14	Hardie, Donald A. AFRO file: 28 AFRO file: 63.3784 AFRO file: 63.3998 AFRO file: 30 AFRO file: 2.4535 AFRO file: 31	81 81		79-80 81	79-80 79-80 81 81 81 83	81														
15	Hudson Bay Expl. & Dev. Co. AFRO file: 20				68															
16	Johnston, William L. AFRO file: 14				59															
17	Kehoe, Clinton AFRO file: 2.3490	(No information, file lost)																		
18	Kingston, Paul W. AFRO file: 63A.532 AFRO file: 23	68			68															
19	Natto Mining Corp. Ltd. AFRO file: 63.3783	81		81		81		81												

GDIF FORM NO. 7

TYPE OF WORK		Numbers below represent the year in which the work was done, e.g., 68 for 1968																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE TWEED	COMPANY/AUTHOR (file number)	GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY			
20	Sulpetro Minerals Ltd. AFRO file: 2.4696											81-82	81-82							
21	Symon, W. J. AFRO file: 19 AFRO file: 16 AFRO file: 17				65,67 66 68															

GDIF FORM NO. 7

DRILL HOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drill Hole Number	Date Drilled	Bearing Azimuth Degrees	Initial Dip of Hole Degrees	Thickness of Overburden Feet	Total Length of Hole Feet	Mineralization Noted in Log	Assay Data Included for
1	Bryans, Gregory W.	1	1971	S	55	-	83	py	-
2	" "	1	1974	N	75	-	20	gn, sp	-
3	" "	1A	1974	N	65	-	21	S	-
4	" "	1	1974	N	80	..	101½	py, td	-
5	Buffadison Gold Mines	1	1959	S49E	65	5	750	py, cp	-
6	" "	2	1959	S64E	42	9	323	-	-
7	" "	3	1959	N66W	40	23	23	-	-
8	" "	4	1959	S64E	52	5	210	py, cp	-
9	" "	5	1959	S60W	70	10	199	-	-
10	" "	6	1959	S60W	50	11	164	-	-
11	" "	7	1959	N65W	70	7	202	-	-
12	" "	8	1959	S82E	60	7	352	-	-
13	" "	9	1959	S82E	45	7	147.5	-	-
14	" "	10	1959	S71E	80	7	125	-	-
15	" "	10A	1959	S66E	80	7	687	-	-
16	" "	11	1959	S70E	80	7	523	py	-
17	Cook, Henry F.	1	1974	-	90	-	27	S	-
18	" "	1A	1976	N	80	-	103	S	yes
19	" "	2A	1976	E	45	-	50	gn, cp	-
20	" "	3A	1976	-	90	-	12	-	-
21	" "	4A	1976	S	60	1	66	cp	-
22	" "	6	1977	W	50	1	112	py	-
23	" "	78-7	1978	-	40	-	192	S	-
24	" "	78-8	1978	-	90	-	125	S	-
25	" "	79-11	1979	-	90	-	22	-	-
26	" "	79-9	1979	W	40	1	104	Ag,Au,Cu,Zn	yes
27	" "	79-10	1979	E	45	-	28	py	-
28	" "	79-12	1979	-	90	-	53	cp	yes
29	" "	79-13	1979	N40E	45	-	50	cp	yes

(continued)

DRILL HOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drill Hole Number	Date Drilled	Bearing Azimuth Degrees	Initial Dip of Hole Degrees	Thickness of Overburden Feet	Total Length of Hole Feet	Mineralization Noted in Log	Assay Data Included for
	(continued)								
30	Cook, Henry F.	80-15	1980	W	45	-	50	cp	yes
31	" "	80-16	1980	W	45	-	96	cp	yes
32	" "	80-14	1980	-	60	-	148	-	-
33	Cummings Prospecting	1	1957	S35E	60	-	40	-	-
34	Syndicate-BuffadisonGM	2	1957	S35E	10	-	40	-	-
35	" "	3	1957	S37E	55	-	90	-	-
36	" "	4	1957	S50E	45	-	43	-	-
37	" "	5	1957	S45E	60	-	43	-	-
38	" "	6	1957	S	60	-	90	-	-
39	" "	8	1957	S40E	45	-	25	-	-
40	" "	9	1957	-	90	-	29	-	-
41	" "	10	1957	-	90	-	60	-	-
42	" "	11	1957	S05W	60	-	75	-	-
43	" "	12	1957	-	90	-	30	-	-
44	" "	13	1957	N25W	60	-	25	-	-
45	" "	14	1957	S10E	50	-	50	-	-
46	" "	15	1957	S18E	60	-	40	-	-
47	" "	16	1957	N18W	60	-	40	-	-
48	" "	17	1957	N	60	-	40	-	-
49	" "	18	1957	-	90	-	40	-	-
50	" "	19	1957	N30W	60	-	65	-	-
51	" "	20	1957	S20E	60	-	65	-	-
52	" "	21	1957	S20E	60	-	60	-	-
53	" "	22	1957	S20E	50	-	60	-	-
54	" "	23	1957	N30W	0	-	26	-	-
55	" "	24	1957	N30W	45	-	62	-	-
56	Emrex Mining Limited	1	1965	S	45	2	102	-	-
57	" "	2	1965	S18E	45	5	193	cp, bn	-
58	" "	3	1965	S04E	45	9	134	py,cp,bn	-
	(continued)								

GDIF FORM NO. 3

DRILL HOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drill Hole Number	Date Drilled	Bearing Azimuth Degrees	Initial Dip of Hole Degrees	Thickness of Overburden Feet	Total Length of Hole Feet	Mineralization Noted in Log	Assay Data Included for
59	Farnham, Charles B.	1	1968	N	60	3.5	125	sulphides	=
60	" "	2	1968	N	60	3	125	sulphides	-
61	Hardie, Arnold A.	1	1966	S	35	5	39	gn, sp	-
62	" "	2	1966	S	40	5	40	gn, sp.	-
63	Hardie, D. A.	1	1979	SE	70	-	31	-	-
64	" "	2	1980	N	55	-	32	-	-
65	" "	3	1980	W	55	-	2	S	-
66	" "	4	1980	SE	75	-	17	cp	-
67	" "	5	1980	E	70	-	47	cp	-
68		1	1981	NE	75	-	32	py,po,tour	-
69	Hudson Bay Expl.& Dev.	HAR-1	1968	S	45	7	534	S	-
70	Johnston, William	1	1959	N80E	65	-	67	py	yes
71	" "	2	1959	S	65	-	60	py, cp	-
72	" "	3	1959	-	90	-	49	py, cp	yes
73	Kingston, Paul W.	1	1968	N75E	45	3	101	py	-
74	" "	2	1968	N80E	45	1	102	py	-
75	Cruickshank, R. W.	1	1963	NW	80	3	600	py,Au,cp	-
76	Symon, W. J.	1	1965	N	10	-	103	mb	-
77	" "	2	1965	N20W	0	2	104	mb	-
78	" "	3	1965	SE	10	1.5	201	mb	-
79	" "	1	1966	N45W	45	4.5	200	mb	-
80	" "	1	1967	N40E	5	-	102	mb	-
81	" "	2	1967	N35E	5	-	101	mb	-
82	" "	1	1968	S38E	55	3	162	py	yes
83	" "	3	1967	N30W	5	5	104	mb	-
84	Hardie, D. A.	1	1983	N25W	59	3	101	py, cp, tour	yes
85	" "	2	1983	N50E	67	3	102	hem	yes
86	" "	3	1983	S	67	15	101	py, gn, asp, sp	yes

GDIF FORM NO. 3

AIRBORNE GEOPHYSICAL SURVEY DATA

No.	By For	Type of survey	Flight Altitude	Flight Line Direction	Flight Line Spacing

GDIF FORM NO. 4

GEOCHEMICAL SURVEY DATA

Map Sample Site Reference Number	Type of Survey	Analysis For	By	Reference
	Soil	Cu, Pb, Zn, Ag		Geochemical Report on the S½ of Lot 25 Concession VI, Barrie Township, Frontenac County, Ontario. Claim No. 416390 NTS 31C-14 Christopher F. Gleeson, PhD, P.Eng.

GDIF FORM NO. 5

MISCELLANEOUS DATA

AGE DATING

Site	Method	Material	Reference	Result

GDIF FORM NO.6

NEWSPAPER CLIPPINGS FILE

NOTE: A file of newspaper clippings about the companies listed below, who have worked in this area, is maintained in the Regional/Resident Geologist's Office. ~~Kemptville, Ontario~~

GDIF FORM NO. 7

ODM GENERAL INDEX SEARCH

Words searched: BARRIE TOWNSHIP

Index Volume	Listing:	Report Volume	Part	Page
7	Barrie Township, Frontenac County			
	Actinolite, photo	GC 13	-	19
	Marble Occurrences	IMR16	-	56,57
	Mineral Occurrences Limited	GC 12	-	10
5	Barrie Township, Frontenac County			
	Big Dipper Gold Mine, Production	64	1	26
	Star Gold Mine, Production	64	1	27
4	Barrie Township, Frontenac County			
	Geographical names, notes on	51	4	5
	Map, geological	51	4	-
	Mining properties described	51	4	39-48
	Rocks	51	4	9-24
	limestones, analyses	51	4	16
	photos	51	4	15,17, 26&27
	structure	51	4	24-30
3	Barrie Township, Frontenac County			
	Big Dipper Gold Mine			
	Production (1907, 1909)	49	1	13
	Ore Chimney Gold Mine			
	Operations (1926)	36	1	7,128
	(1927)	37	1	8
	Bey Mines Limited			
	Incorporated	38	1	53
2	Barrie Township, Frontenac County			
	Gold mining notes	27	1	133-34
	Map showing location of claims	30	2	14
	Big Dipper Gold Mine			
	Granite, mineralization	30	2	15
	Location, map showing	30	2	14
	Cobalt Frontenac Mining Company			
	Capital increased	30	1	50
	Operations (1916)	26	-	136
	(1917)	27	1	133
	(1918)	28	1	11,154
	(1919)	29	1	116
	(1920)	30	1	131,132
	(1921)	31	10	63
	(1922)	32	6	83,84
	Ore Chimney Gold Mine			
	Electric plant	28	1	11
	Employees, number of	35	1	8
	Manager and address	32	6	9

(continued)

GDIF FORM NO. 8

ODM GENERAL INDEX SEARCH

Words searched: BARRIE TOWNSHIP

Index Volume	Listing:	Report Volume	Part	Page
2	OreChimney Gold Mine (continued)			
	Operations (1916)	26	-	136
	(1917)	27	1	134
	(1919)	29	1	116
	(1921)	30	10	13,63
	(1923)	33	7	91
	(1924)	34	1	160
	(1925)	35	1	121
	Rocks	30	2	15
	Star of the East Gold Mine			
	Depth	30	2	12
	Gold producing (1905)	30	2	15
1	Barrie Township, Frontenac County			
	Antimony	2	-	5,190
	Stibnite	9	-	210
	Bismuth	14	(i)	77
	Bismuthinite	6	-	210
		7	-	234
		9	-	195
		14	(i)	77
	Boring for gas	24	(ii)	24
	Copper	2	-	5
	tetrahedrite	6	-	208
	Field prospecting	5	-	213,218
	Galena	9	-	198
	auriferous	9	-	209
	notes by Uglow	25	(ii)	11
	Gold: prospecting	15	(i)	90
	mining (1902)	12		112
	(1903)	13	(i)	93
	(1912)	22	(i)	135
	(1914)	24	(i)	159,161
	(1915)	25	(i)	129
	Iron Ore	2	-	61
	Jamesonite	6	-	209
		9	-	200
		11	-	203
	Marble of, analysis	13	(ii)	45
	character	13	(ii)	31
		R.C.	-	80
	evidence before R.C.	R.C.	-	69
	quality	5	-	220
	Meneghinite	6	-	208
	Mispickel	9	-	205
	Peneplain, photo	22	(ii)	58
	(continued)			

GDIF FORM NO. 8

ODM GENERAL INDEX SEARCH

Words searched: BARRIE TOWNSHIP

Index Volume	Listing:	Report Volume	Part	Page
1	Barrie Township, Frontenac County(cont'd)			
	Rocks conglomerate,	11	-	200
	dikes in basic	5	-	219
	diorite	11	-	200
	lava, photo	22	(ii)	42
	limestone, cut by calcite	11	-	206
	mica schists	13	(ii)	101
	notes by Miller	11	-	202,203
	Silver	2	-	5
		11	-	203
	Tennantite	9	-	210
	Zinc	9	-	209
	Big Dipper Mine			
	Mineralization, cause of	25	(iii)	33
	Work at (1905)	15	(i)	89,90
	(1907)	17	-	58,88
	Helena Gold Mine; Notes (1900)	10	-	117,118
	Ores	11	-	203
	Promising well	10	-	37
	Rocks near,	11	-	202
	Shut down (1901)	11	-	236
	International Gold and Copper Co.			
	Capital and date of charter	12	(i)	38
	Work	12	-	112
	Star of the East Gold Mine			
	Capital and date of charter	13	(i)	37
	Mining class at,	15	(i)	39,41
	Work at (1904)	14	(i)	76,77
	(1905)	15	(i)	4,88,89
	1906 and photos	16	(i)	74,75
	(1907)	17	-	83
1	Barrie Township, Frontenac County			
	Mazinaw Lake			
	Granite	22	(ii)	51
	pegmatite	13	(i)	91
	Greenstone	22	(ii)	40
	Grenville sediments	22	(ii)	80
	Limestone, analysis	13	(ii)	45
	dolomite	9	-	198
	Mica mining	5	-	220
		11	-	205
		13	(i)	91
	muscovite	14	(i)	84
	Photo	22	(ii)	58
	Portages near, numerous	5	-	218

ODM GENERAL INDEX SEARCH

Words searched

Index Volume	Listing	Report Volume	Part	Page

GDIF FORM NO. 8

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
		REGIONAL GEOLOGICAL COMPILATION MAPS		
Hewitt, D. F.	1964	Madoc Area	NTS 31C,ODM2053	1:126720
Meen, V. B. and Harding, W. D.	1942	Grimsthorpe-Kennebec Area; Hastings, Lennox and Addington, and Frontenac Counties, Ontario	ODM 51D	1"=1 mile
		GEOPHYSICAL MAPS		
G.S.C.	1981	Aeromagnetic Maps, Barrie Township	97G, 69G	1:63360
		SURFICIAL, PLEISTOCENE, TERRAIN ENGINEERING		
O.G.S.	1973	Southern Ontario Physiography, South East	Map 2227	
		MINERAL POTENTIAL MAPS		
O.G.S. & Mineral Resources Branch	1978	Ontario Mineral Potential Kingston and Part of the Ogdensburg Sheets	OGS Map P.1505	1:250000

GDIF FORM NO. 9

SELECTED REFERENCES

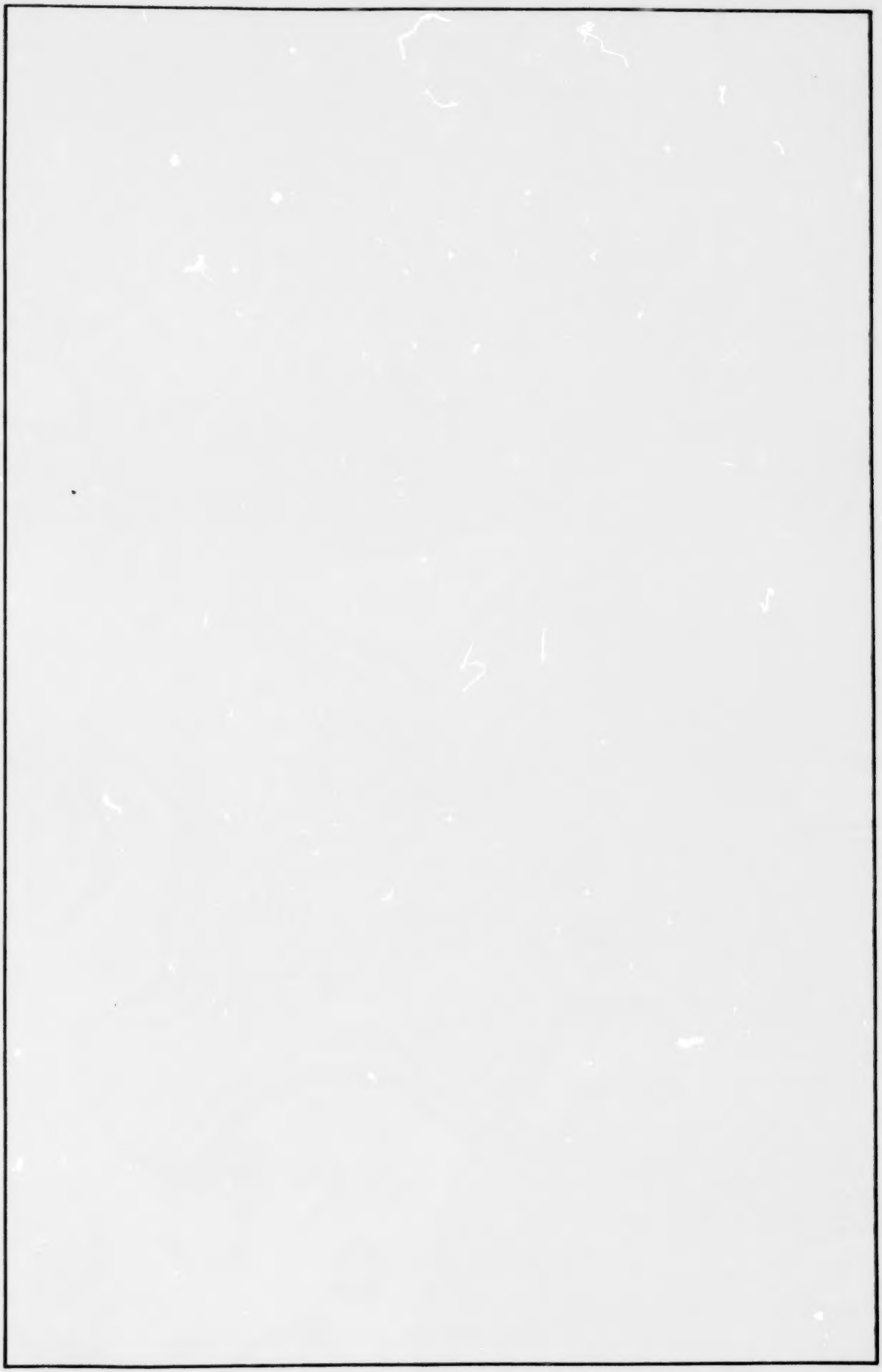
Author	Date	Title	Reference	Map Scales and/or Report Pages
		GEOCHEMICAL		
		GEOLOGICAL REPORTS AND MAPS		
Meen, V. B.	1942	Geology of the Grimsthorpe-Barrie Area, Hastings, Lennox and Addington, and Frontenac Counties, Ontario	ODM Report Vo.51 PT. 4, p.1-50	
Meen, V. B.	1939	Geology of the Anglesea-Barrie Area, Southern Ontario	ODM PR1939-5	
Moore, J. M. and Morton, R. L.	1981	Geology of the Clarendon Lake Area, Counties of Frontenac and Lennox and Addington,Ont.	OGS OFR 5316	
		JOURNAL ARTICLES, THESES, TECHNICAL REPORTS		
Miller, W. G. and Knight, C. W.	1913	The Pre-Cambrian Geology of Southeastern Ontario	ODM AR Vol.XXII, PT.2,p.1-138, Map 22d	
Sethuraman, K. and Moore, J. M.	1973	Petrology of Metavolcanic Rocks in the Bishop Corners-Donaldson Area, Grenville Province, Ontario	Canadian Journal of Earth Sciences Vol.10,No.5	

NOTES AND ADDENDA

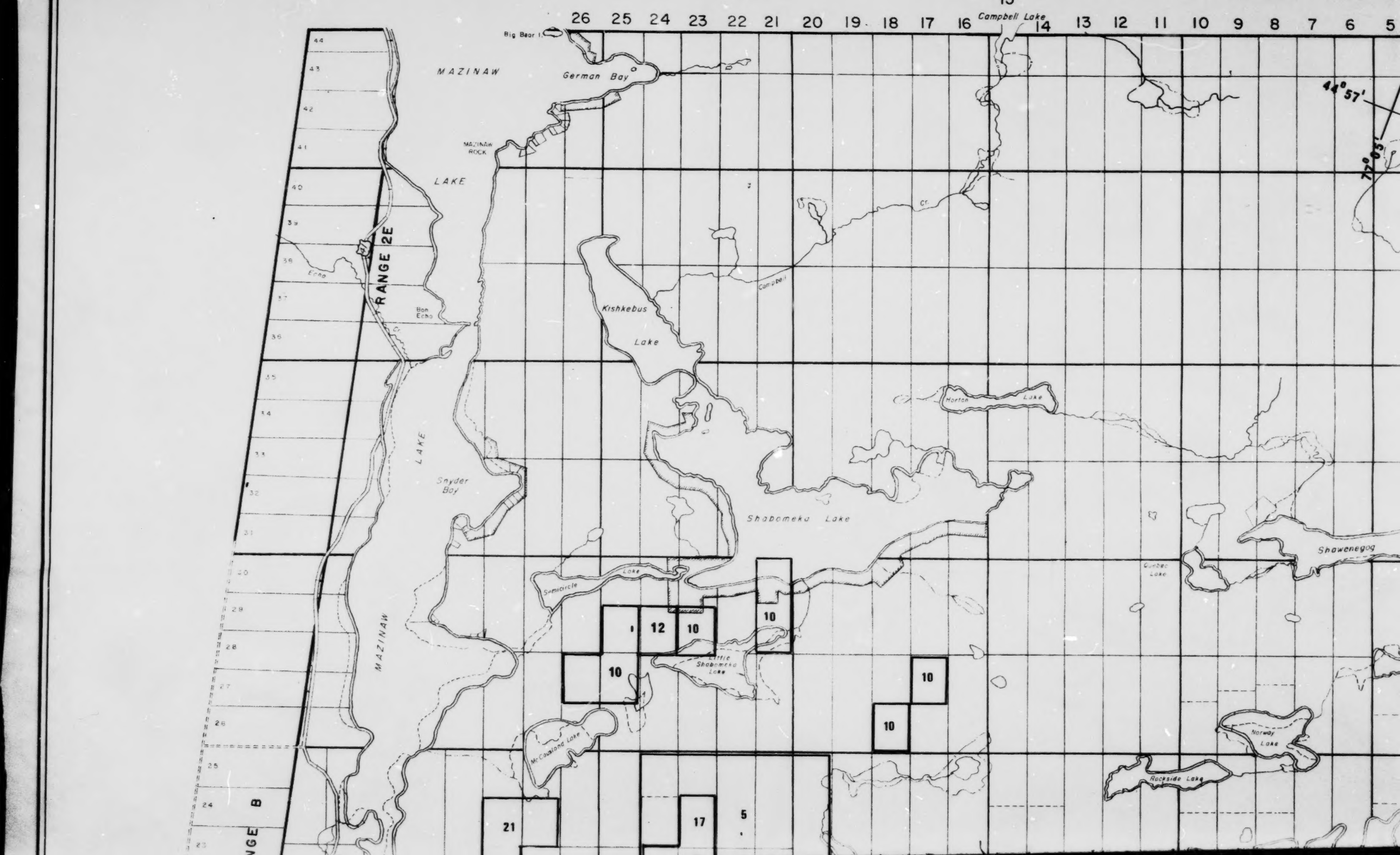
Aerial Photographs on File

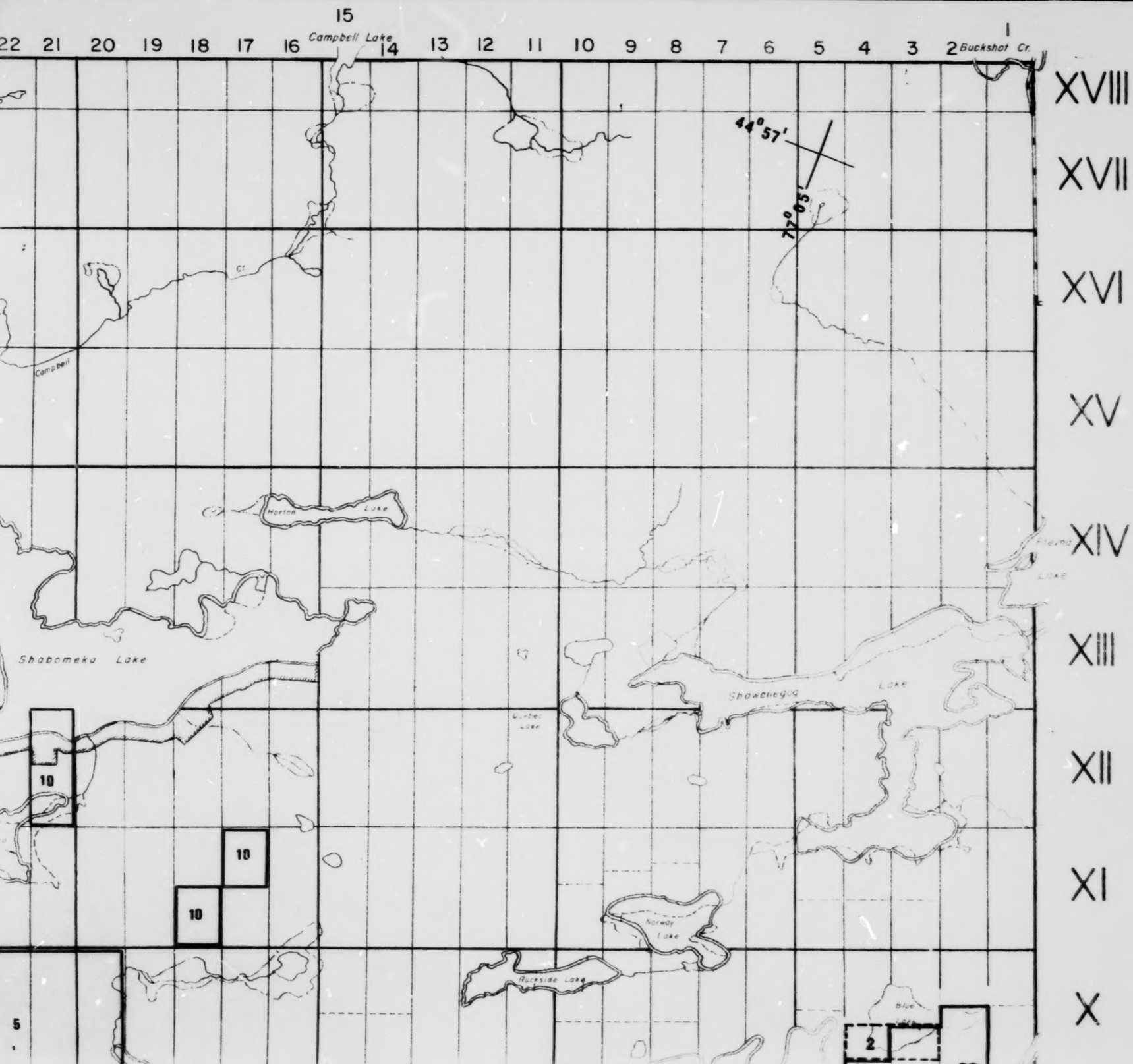
Scale 1" = ¼ mile

Year	Roll Number	Flight Line	Photo Number
1978	171	4432	1 - 19
1971	171 - 5	4418	170 - 184
1969	69 - 2	4432	10 - 23
	69 - 2	4433	87 - 100
	69 - 2	4434	166 - 179
	69 - 41	4436	165 - 177
	69 - 50	4435	24 - 36
1941	171 - 41	4432	56 - 58



BARRIE TOWNSHIP


26 25 24 23 22 21 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5
44 43 42 41 40 39 38 37 36 35 34 33 32 31 30 29 28 27 26 25 24 23
RANGE 2E
RANGE B
MAZINAW LAKE
MAZINAW
MAZINAW ROCK
Big Bear I.
German Bay
Campbell Lake
44°57'
77°03'
Echo
Bon Echo
Kishkebus Lake
Campbell
Cr.
Horton Lake
Snyder Bay
Shabomeka Lake
Samiarcle Lake
Little Shabomeka Lake
McCausland Lake
Quebec Lake
Shawenegog
Norway Lake
Rockside Lake
10
12
10
10
10
10
21
17
5



Ministry of Natural Resources

Ontario

Hon. Alan W. Pope
Minister

John R. Sloan
Deputy Minister

ONTARIO GEOLOGICAL SURVEY

PROPERTY LOCATION MAP

(Map 1 of 2 .)

to accompany GEOLOGICAL DATA

INVENTORY FOLIO 87

BARRIE TOWNSHIP

FRONTENAC COUNTY

Scale 1:31 680

Mile 0.5 0 0.5 1 Mile

Kilometre 0.5 0 0.5 1 Kilometre

RANGE B

MARBLE LAKE

MISSISSAGAGON LAKE

KASHWAKAMAK LAKE

KASHWAKAMAK B.E.73

CLARENDON

Mississagagon Lake

Shadock Lake

Norway Lake

Riverside Lake

McClelland Lake

Hill Lake

Michell Bay

Nerving Lake

Shedwick Lake

Bishop Lake

Myer Cove

Georgia Lake

Stoll Lake

Little Shabomeka Lake

10

10

10

21

17

5

7

16

21

19

4,15

4,13

506

MISSISSAGAGON LAKE

Mississagagon Lake

KASHWAKAMAK LAKE

KASHWAKAMAK

LAKE

CLARENDON

Shoepack Lake

Nervine Lake

XI

X

IX

VIII

VII

VI

V

IV

III

EXPLORATION DATA FILE AREAS

Reference number is always inside work area outlined. See listing in text pages

Small area of exploration data.

MARBLE LAKE

Myer Cove

Indian Lake

Hill Lake

Ski Lake

BE 73

KASHWAKAMAK

KASHWAKAMAK

LAKE

Shoepack Lake

Mitchell Bay

Varnish Lake

Bishop Lake

Shedwick Lake

Bishop Corners

Morgan Lake

HARLOWE P.O.

Boundary

CLARENDON LAKE

Cr.

4,15

506

7

18,21

16

21

4,13

19

9

3,6

1

20

36 35 34 33 32 31 30 29 28 27 26 25 24 23 22 21 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5

MISSISSAGAGON LAKE

4,15

506

B.L. 73

KASHWAKAMAK LAKE

KASHWAKAMAK LAKE

16

21

4,13

Shagoca

Lake

Nervine Lake

CLARENDON LAKE

20

HARLOWE P.O.

Boundary

CLARENDON LAKE

VIII

VII

VI

V

IV

III

II

I

4 23 22 21 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

See listing in text pages

x ④ Small area of exploration data.

15

26 25 24 23 22 21 20 19 18 17 16 Campbell Lake 14 13 12 11 10 9 8 7 6 5

MAZINAW

LAKE

RANGE 2E

Spruce Bay

Shabomeka Lake

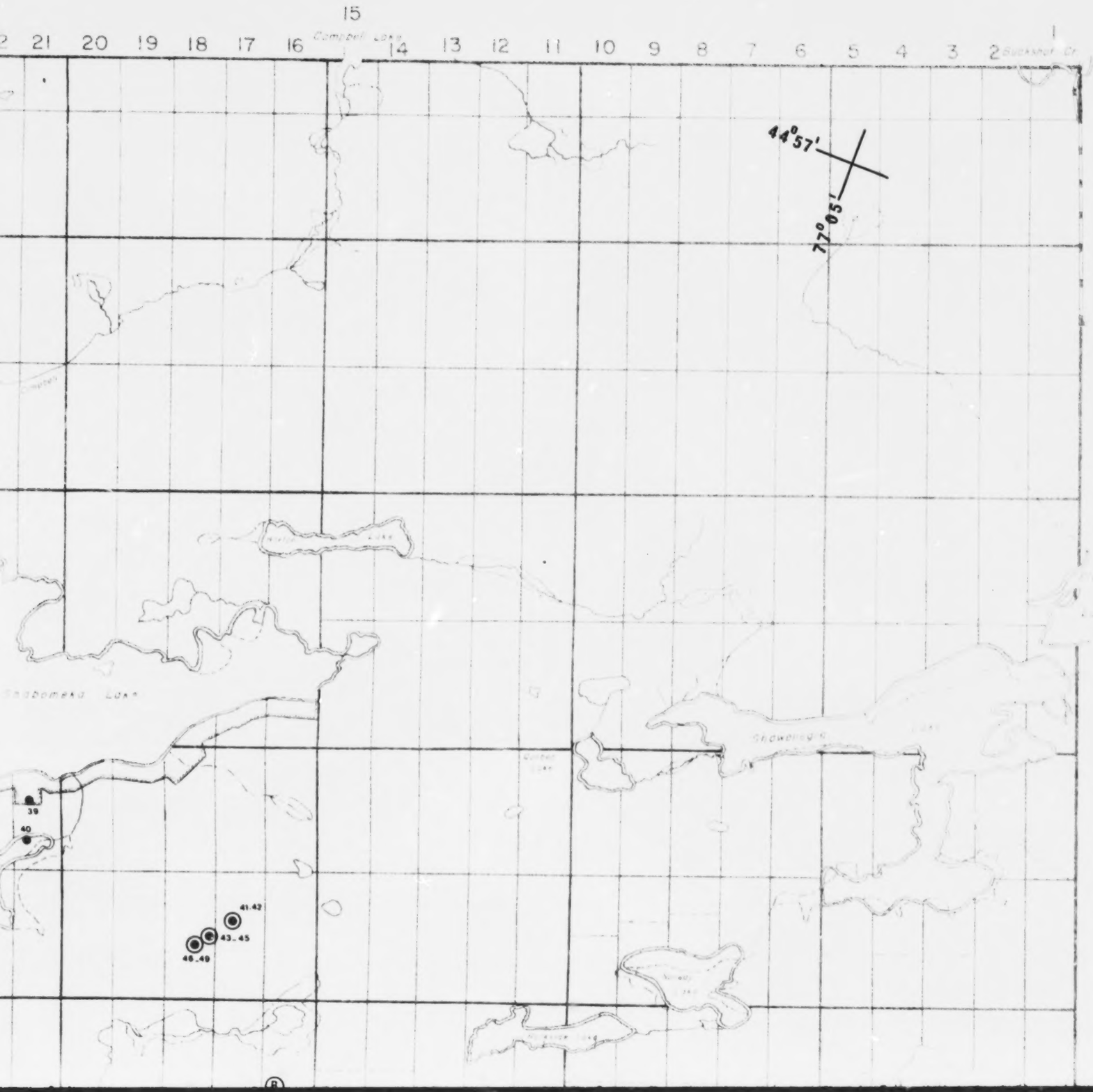
Snowenegog

14°57'

17°05'

Cu,cp
sp,bn

shee
Au, py, cp,



Ontario

Ministry of Natural Resources

Hon. Alan W. Pope
Minister

John R. Sloan
Deputy Minister

ONTARIO GEOLOGICAL SURVEY

Map to Accompany GEOLOGICAL DATA INVENTORY FOLIO 87

BARRIE TOWNSHIP

FRONTENAC COUNTY

Scale 1:31 680

Mile 0.5 0 0.5 1 Mile

Kilometre 0.5 0 0.5 1 Kilometre

GEOLOGICAL AND MINING SYMBOLS

TYPES OF DATA SHOWN ON THIS MAP (Map 2 of 2.)

MINERAL OCCURRENCES

- ☒ cp A. — Mineral occurrence at surface, with reference letter
- ☐ Au A. 84' — Mineral occurrence with shaft, depth given with reference letter
- ☐ Ag ? A. — Mineral occurrence reported but exact location uncertain, with reference letter
- ☐ cp A. — Mineralized Float with reference letter
- ☐ ____

DRILL HOLES

- ☒ ●² — Location of single drill hole, with reference number
- ☒ ◉² — Location of closely spaced group of drill holes, with reference number
- ☐ (?)² — Drill hole, exact location uncertain, with reference number.

RANGE B

MISSISSAGAGON LAKE

shee
Au
Au, py, cp, shee, tour, act, Bi, bm
Q

C
tour, py
gf

W
gf

M
fl, ba
cp
fl

V

B
Au, sp, py, mag

Au
R
Ag
Sb

S
Sb

S
Sb

U
Cu

Au
Cu
H
U
Cu

sp, Pb
Ag, Au
cp
F

X
Fe
I
py, cp, Au, sp, td, mc, Pb

N
Au

N
Au

L

sp, cp, Pb, Ag, Au
K

jm
Y

jm
tn
bl
Y
tn
Ac
sp
Ah
sp
Z
mene

bl
T
tn
Ac
bl
T
Y
Ah
tn
Z
mene
T

za
Ah
A
sp
Ah
gn, sp, py
cp, Ag, bl

XI

X

IX

VIII

VII

VI

V

IV

III

II

DRILL HOLES

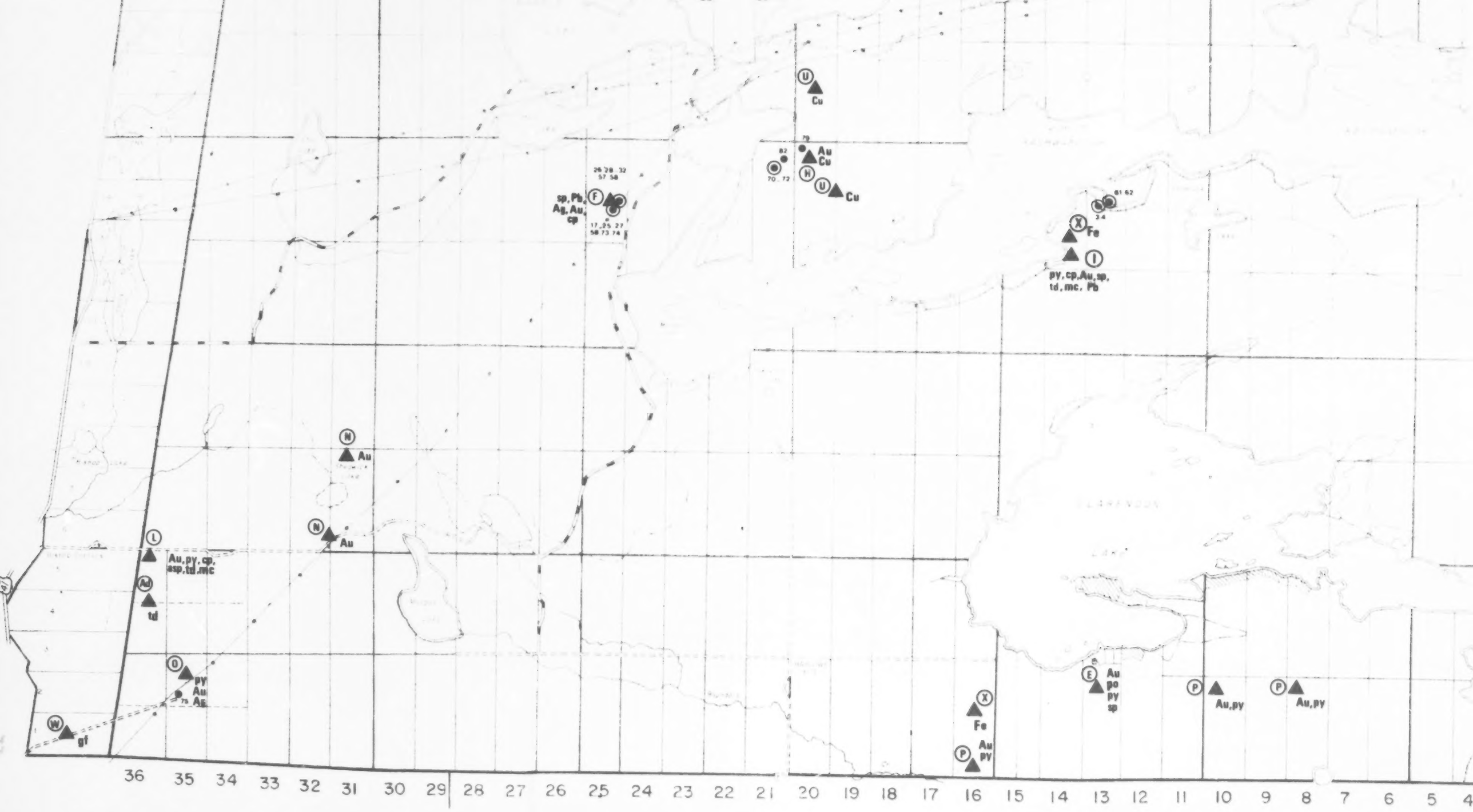
- Location of single drill hole, with reference number
- Location of closely spaced group of drill holes, with reference number
- Drill hole, exact location uncertain, with reference number.
- Property with underground drill holes in this general area, w th reference number
- Property with drill holes which have not been plotted on map, with reference number
- Reverse Circulation Drill Hole; Churn drilling, with reference number

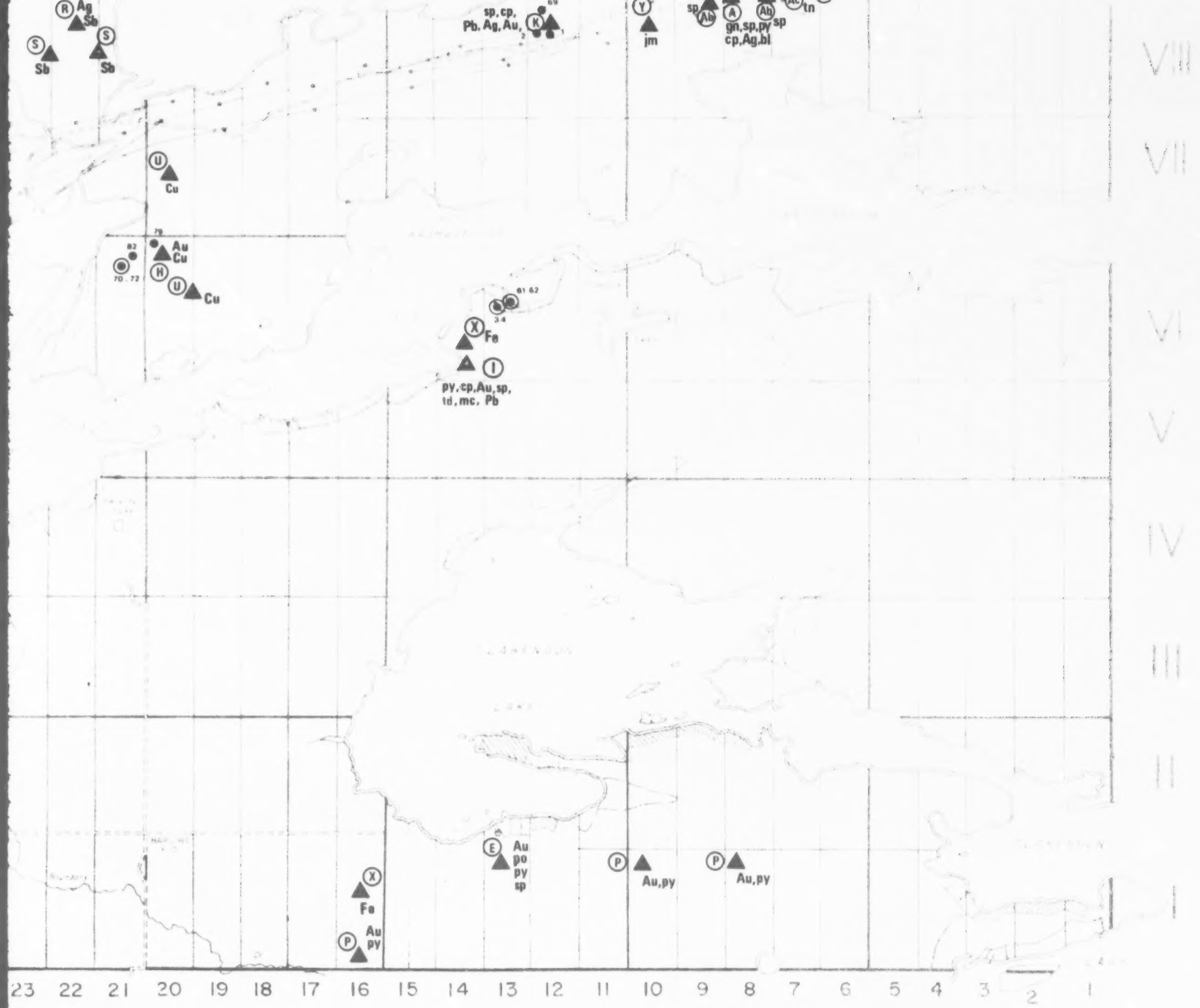
GEOCHEMICAL AND GEOCHRONOLOGICAL DATA

- Geochemical sample site, with reference number
- Area of geochemical sampling, with reference number
- Age dating material sampling site, with reference number

GEOPHYSICAL ANOMALIES

- Airborne Magnetometer Anomaly
- Airborne Electromagnetometer Anomaly Length of anomaly along flight line
- Airborne Electromagnetometer Anomaly. Location of anomaly along flight line
- Airborne Electromagnetometer Anomaly Conductor Axis: definite, probable, possible
- Airborne Radiometric Anomaly
- Ground Magnetometer Anomaly
- Ground Electromagnetometer Anomaly (VL - Vertical Loop; HL - Horizontal Loop; VLF - Very low freq; Turam; JEM - Crone EM - 16)
- Ground Radiometric Anomaly
- Induced Polarization Anomaly
- Self Potential Anomaly
- Audio-frequency magnetometer anomaly (total intensity)


U
Cu
79
82
Au
Cu
70 72
H
U
Cu
26 28 32
57 58
F
sp, Pb,
Ag, Au,
cp
17 25 27
58 73 74
61 62
34
X
Fe
I
py, cp, Au, sp,
td, mc, Pb
N
Au
N
Au
L
Au, py, cp,
asp, td, mc
M
td
D
py
Au
Ag
75
W
gf
X
Fe
P
Au
py
E
Au
po
py
sp
P
Au, py
P
Au, py
36 35 34 33 32 31 30 29 28 27 26 25 24 23 22 21 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4



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GEOPHYSICAL ANOMALIES

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- Ground Magnetometer Anomaly
- Ground Electromagnetometer Anomaly
  (VL - Vertical Loop; HL - Horizontal Loop;
  VLF - Very low freq; Turam; JEM -
  Crone EM - 16)
- Ground Radiometric Anomaly
- Induced Polarization Anomaly
- Self Potential Anomaly
- Audio-frequency magnetometer anomaly
  (total intensity)
- Resistivity Anomaly
- Gravity Anomaly

MISCELLANEOUS DATA

- Trenching, pit
- Adit
- Open pit
- Rock quarry
- Sand and/or gravel pit

NOTE: Consult the text that accompanies this map for pertinent lists of data, references, and abbreviations.